

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/017215

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B27/30 G11B27/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	EP 1 465 047 A (DEUTSCHE THOMSON-BRANDT GMBH) 6 October 2004 (2004-10-06) paragraphs '0024! - '0026!; figure 1	1-28
E	WO 2005/004478 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD; MCCROSSAN, JOSEPH; OKADA, TOM) 13 January 2005 (2005-01-13) page 97, line 21 - page 98, line 11	1-28
P, X	WO 2004/077827 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD; YAHATA, HIROSHI; OKADA, TOMOY) 10 September 2004 (2004-09-10) abstract	1-28
X	EP 0 886 276 A (PIONEER ELECTRONIC CORPORATION) 23 December 1998 (1998-12-23) column 13, line 55 - column 14, line 55	1-28
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

29 March 2005

Date of mailing of the international search report

05/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 02/079902 A (SMARTDISK CORPORATION) 10 October 2002 (2002-10-10) paragraphs '0026!, '0041! _____</p>	1-28

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/017215

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1465047	A	06-10-2004	EP 1465047 A1	06-10-2004
			WO 2004088495 A2	14-10-2004
WO 2005004478	A	13-01-2005	WO 2004077826 A1	10-09-2004
			WO 2004077827 A1	10-09-2004
			WO 2005004478 A1	13-01-2005
WO 2004077827	A	10-09-2004	WO 2004077826 A1	10-09-2004
			WO 2004077827 A1	10-09-2004
			WO 2005004478 A1	13-01-2005
EP 0886276	A	23-12-1998	JP 11018048 A	22-01-1999
			CA 2241346 A1	20-12-1998
			DE 69823917 D1	24-06-2004
			EP 0886276 A2	23-12-1998
			ES 2221097 T3	16-12-2004
			US 6434326 B1	13-08-2002
WO 02079902	A	10-10-2002	US 2002180803 A1	05-12-2002
			WO 02079902 A2	10-10-2002